



Sentinel-3 Pilot Study

Mid-Project Report

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Objective



- ❑ Goal 1: Integrate the Sentinel 3 NRT Fire Products into LANCE FIRMS and Worldview. Evaluate it for continuity with the Terra MODIS active fire/thermal anomaly product
- ❑ Goal 2: Develop an NRT Sentinel 3 Corrected Reflectance (CR) Product and integrate into Worldview. Evaluate it for continuity with the Terra MODIS CR product
- ❑ Goal 3: Prototype a Standard Sentinel 3 Land Surface Reflectance (LSR) Product. Evaluate it for continuity with the Terra MODIS LSR product

NASA's Sentinel 3 Pilot Data Flow Diagram



Goal 1: Integrate Fire Product

FRP= Fire Radiative Power Product
 SLSTR=Sea and Land Surface Temperature Instrument
 OLCI=Ocean and Land Color Instrument
 CR=Corrected Reflectance
 LSR=Land Surface Reflectance

FIRMS=Fire Information for Resource Management System
 GIBS= Global Imagery Browse Services
 NTC= Non Time Critical
 NRT= Near Real-time
 CSV=Comma Separated Values/Plain text file

Goal 2&3: Create CR and LSR Products

